



FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 500.42993X00	SERIAL NO. 10/628,516
	APPLICANT M. KITSUREGAWA, et al	
	FILING DATE July 29, 2003	GROUP 2161

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FC		6	7	3	2	1	2	4	5/04	Koseki et al			
FC	2004	0	0	9	8	4	2	5	5/04	Wiss et al			
FC	2004	0	1	0	7	3	8	1	6/04	Bomfim et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

FC	A. Bhide, "An Efficient Scheme for Providing High Availability", IBM TJ Watson Research Center, pp. 236-245.

EXAMINER

Hantz Gby

DATE CONSIDERED

1/20/06

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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M. KITSUREGAWA, et al

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GROUP

2161

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FL	6,748,502	6-2004	WATANABE et al.			
FL	2003/0074600 A1	04-2003	TAMATSU			
FL	2002/0133507 A1	09-2002	HOLENSTEIN et al.			
FL	2004/0133591 A1	07-2004	HOLENSTEIN et al.			
FL	2002/0095547 A1	07-2002	WATANABE et al.			
FL	4,821,172	04-1989	KANEKO et al.			
FL	6,502,205	12-2002	YANAI et al.			
FL	6,643,795	11-2003	SICOLA et al.			

FOREIGN PATENT DOCUMENTS

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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

FL	Rahm, Performance Evaluation of Extended Storage Architectures for Transaction Processing, University of Kaiserslautern, Germany.
FL	Veritas Volume Replicator, Enterprise-Class Disaster Recovery for Mission-Critical Environments, 1992.
FL	R. VanNatta, "Crash Recovery" Database Management System, 2 nd Edition, pp. 1-26.

EXAMINER

Frank Coby

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FE	4,751,702	6/98	Beier, et al			
FE	5,758,355	5/98	Buchanan			
FE	6,173,292	1/01	Barber, et al			
FE	5,640,561	6/97	Satoh, et al			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RC	6,466,951	10/02	Birkler, et al			
RC	6,850,958	2/05	Wakabayashi			
RC	2002/0103815	8/02	Duvillier, et al			
RC	2002/0107878	8/02	Tsuchida, et al			

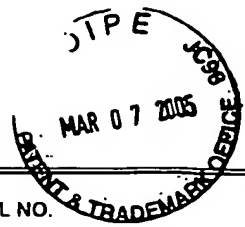
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INFORMATION DISCLOSURE
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APPLICANT
Masaru KITSUREGAWA et al.

(Use several sheets if necessary)

FILING DATE
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FE	5,781,912	7-1998	DEMERS et al.			
FE	6,178,427	1-2001	PARKER			
FE	6,289,357	9-2001	PARKER			
FE	6,163,856	12-2000	DION et al.			
FE	6,606,694	8-2003	CARTEAU			
FE	6,065,018	5-2000	BEIER et al.			
FE	6,446,176	9-2002	WEST et al.			
FE	5,530,855	6-1996	SATOH et al.			
FE	5,745,674	4-1998	LUPTON et al.			
FE	2004/0139124 A1	7-2004	KAWAMURA et al.			
FE	6,226,651	5-2001	MASUDA, et al			
FE	2004/0098425 A1	5-2004	WISS et al			
	2004/0158588 A1	8-2004	PRUET, III			

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INFORMATION UNDER 37 CFR 1.56(a)

(For Initial Filing)

The following references are submitted as information
to comply with the duty of disclosure under 37 CFR 1.56(a):

References	Disclosed in the specification?		Copy			Translation	
	Yes	No	Enc.	Follow	Please obtain	Enc.	Not avail-able
1. ✓ Jim Gray and Andreas Reuter, "TRANSACTION PROCESSING: CONCEPTS AND TECHNIQUES", Morgan Kaufman Publishers, 1993, pp. 556-557 and 604-609	X		X				
2. U.S. Patent No. 5,640,561	X		X				
3. ✓ Patent Application Serial No. entitled DATABASE PROCESSING METHOD AND SYSTEM USING LOG INFORMATION, PROCESSING PROGRAM THEREOF, AND STORAGE UNIT FOR EXECUTION THEREOF	X		X				
4.							
5.							

Reference 3 is a Patent Application sent to you with another order letter with Our Ref: W1082-01 instructing you to file together with this Application on the same day by the Applicants' specified due date of July 31, 2003. See the mutual CROSS-REFERENCE TO RELATED APPLICATIONS in both Applications.

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